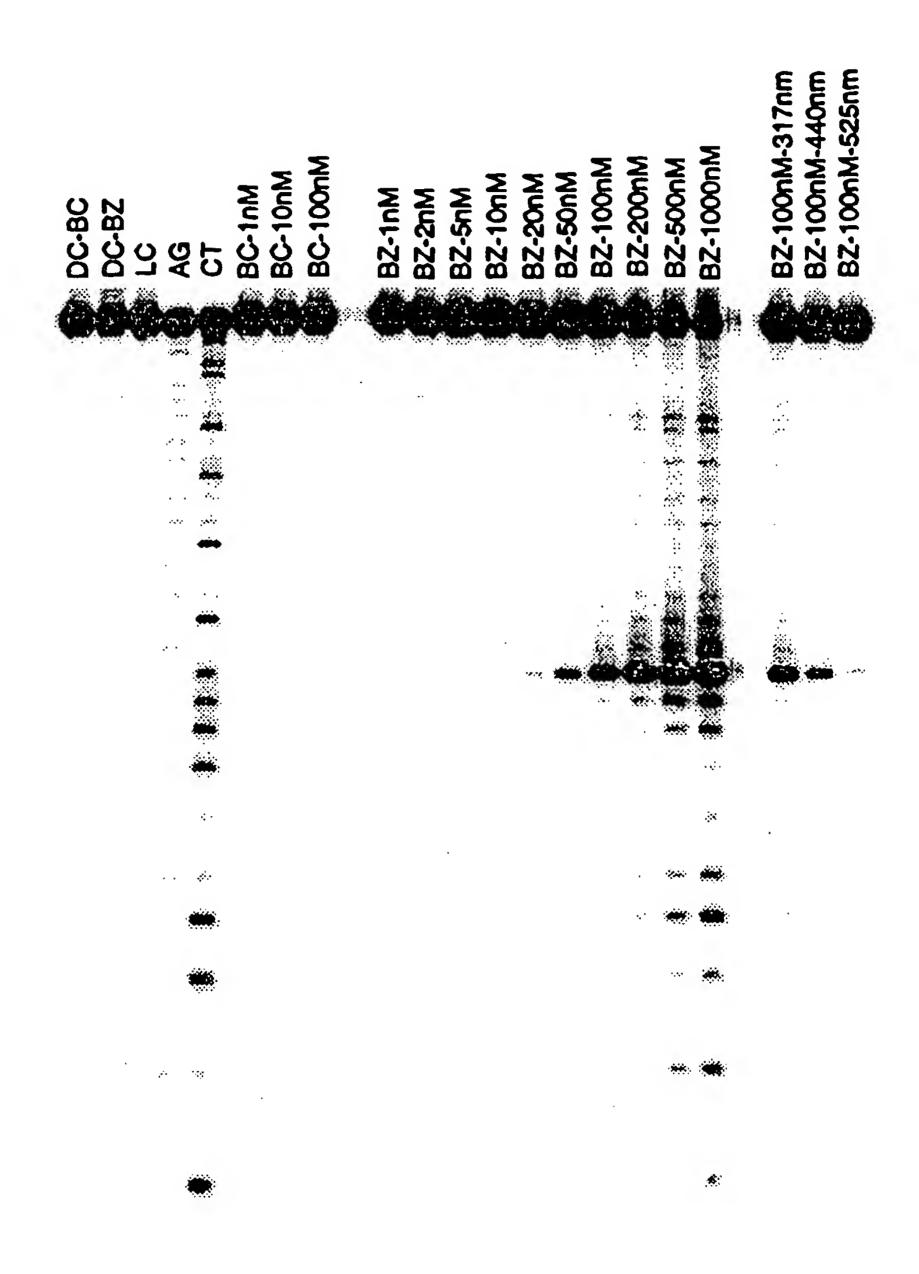
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APPLICANT(S): Barton and Junicke
TITLE: METHODS AND COMPOSITIONS FOR DETECTING
POLYNUCLEOTIDE DUPLEX DAMAGE AND
ERRORS

Application No.: 10/015,997 File Date: December 10, 2001 Docket No.: CIT1290-1

1/5



5'-GAT GTC GGT CCC ACG ATG GTG ACG GAT TAC C-3'
3-GC GTA CTA CAG CCA GCG TGC TAC CAC TGC CTA ATG G TT GAG-5'
Conditions: 1μM DNA, Tris Buffer at ph 8, 15 min irradiation at 313 nm
[Rh(bpy)₂chrysi] = BC, [Rh(bpy)₂phzi]Cl₃ = BZ

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FIG. 1

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Junicke.HJ100.2.Frac

exp2 std1sh

cxp2	5141511					
	SAMPLE		DEC. & VT			
date	Aug 27 2000	dfrq		0.080		
solvent	CDC13	dn	300	H1		
file	exp	dpwr		40		
	QUISITION	dof		0		
sfrq	300.082	dm		nnn		
tn	033.032	dmm		C		
at	1.600	dmf	1	1600		
np	32000	GIII	PROCESSING	1000		
sw	10000.0	lb	TROCESSING	1.00		
fb	5600	wtfile		1.00		
bs	4			Δ		
SS	4	proc fn	4	ft 5526		
tpwr	55	111	0.	5536		
pw	15.4	trore				
d1	1.000	werr				
tof	1113.9	wexp				
nt	512	wbs				
ct	196	wnt				
alock						
gain	n 16					
	FLAGS					
il						
in	n					
dp	ny					
	y y					
	DISPLAY		•			
sp	2221.1		•			
wp	2412.5 690					
vs sc	090					
wc	250					
hzmm	9.65					
is						
	41451.76					
rfl -fr	3757.5					
rfp	0					
th	37					
ins	100.000					
nm cd	c ph		\ \\		1	- 0
			H Y	Ţ	IV.	1 1
			N _{IIII} Rh	"N	1	
			Rh	Cl ₃		1/ 1
		N Y	N	W. J	Val.	
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	H N		11.710	. 11 11
					III ARA	11/1/11/
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					1011	1111 144 1
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	14 13	12	2 11	10	9	8 ppm
•	15	1 2	- 11	10	J	8 ppm

FIG. 2



3/3

